

WARREN TOOLS

NEW

BY THE WORLD'S LARGEST EXCLUSIVE
MANUFACTURER OF HEAVY FORGED HAND TOOLS

GENERAL CATALOG
AND
PRICE SCHEDULE NO. 560-DL

EFFECTIVE MAY 16, 1960

PICKS - MATTOCKS

HOES - BARS - SLEDGES - WEDGES - HAMMERS

RAILWAY MAINTENANCE TOOLS - BLACKSMITHS' TOOLS - TONGS

**SYRACUSE SUPPLY
COMPANY**

SYRACUSE

SCHENECTADY

WARREN TOOL CORPORATION

FACTORY and GENERAL OFFICES

WARREN, OHIO

GENERAL INFORMATION

TERMS: 30 days net or 2% for cash if payment is made by 25th of month on invoices rendered between 1st and 15th of month; by 10th of following month on invoices rendered between 16th and end of month. There is a minimum invoice charge of \$2.50. For parcel post shipments, add postage and insurance.

STANDARD SPECIFICATIONS: The dimensional specifications shown in this catalog are accurate. In addition, over long years of producing quality tools, exacting standards in the control of raw materials and heat treatment have been established.

These specifications include weights and dimensions recommended in the United States Department of Commerce Simplified Practice Recommendations (Heavy Forged Hand Tools).

Purchases by federal, state, and municipal government units often require that hand tools be purchased to meet the GGG-series of federal specifications. Periodically, the federal government changes these (changes which we often suggest) and we keep posted and attempt to incorporate all of them in our own specifications as they occur. In a few instances, we know our specifications provide a better tool dimension-wise or in the hardness pattern. Should you have requirements to meet these federal specifications, check with us and a quick answer can always be given.

Track tool weights and other specifications conform to the Standard Plans and Specifications of the American Railway Engineering Association (A.R.E.A.).

★ **STARRED ITEMS: STOCK THESE FOR TURNOVER.** Seventy-five percent of distributor and dealer sales in heavy hand tools are in these items.

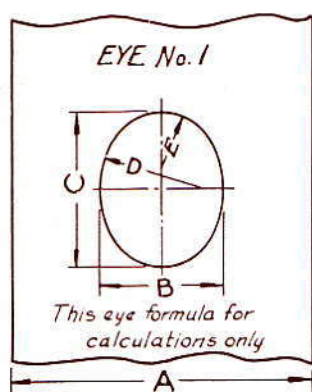
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EYE SPECIFICATIONS

The shapes of the eyes of the different tools listed and described in the following pages are designated by numbers corresponding to those of the U. S. Dept.

of Commerce Heavy Forged Hand Tools Simplified Practice Recommendation—R17-47, effective October 15, 1947. We illustrate below these different eyes.

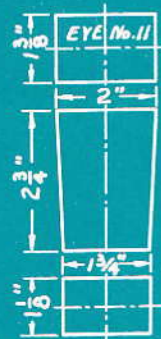
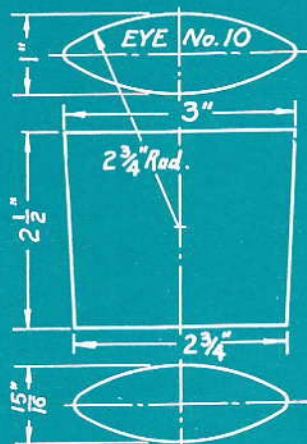
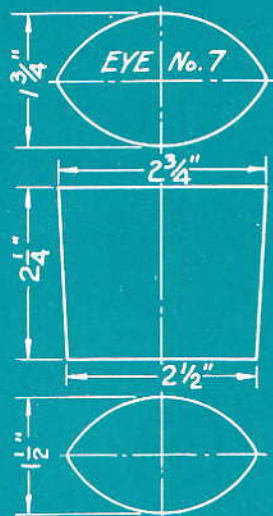
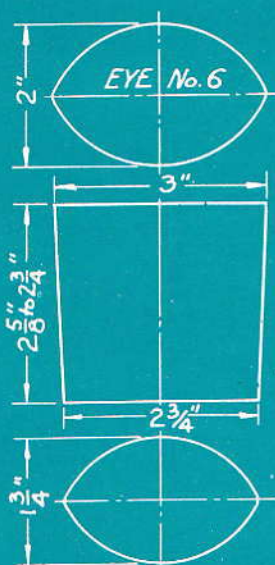
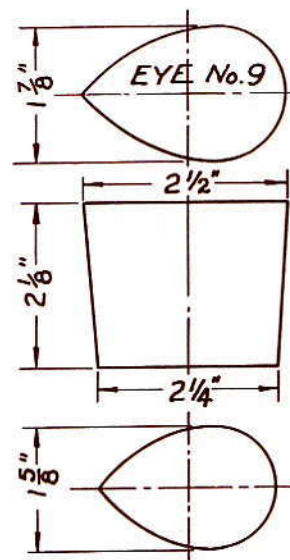
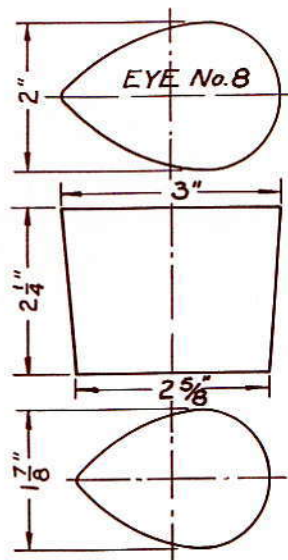
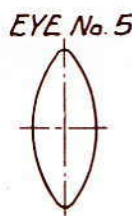
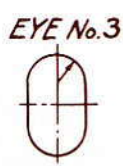


Eye formula:

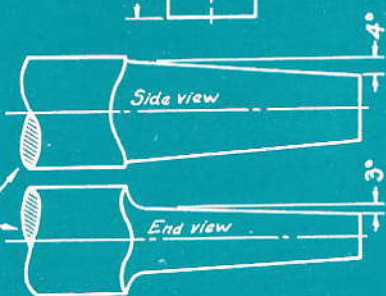
- A = Size of stock.
- B = 40 percent of A.
- C = 125 percent of B (approximate).
- D = 5/6 of B.
- E = To suit dimensions B, C, and D.

Note.—Manufacturers have a tolerance limit of 1/16 in. above and 1/32 in. under all eyes to allow for punch wear.

On eyes # 2, 3, 4, --- 3° taper on cross section
--- 4° taper on long section



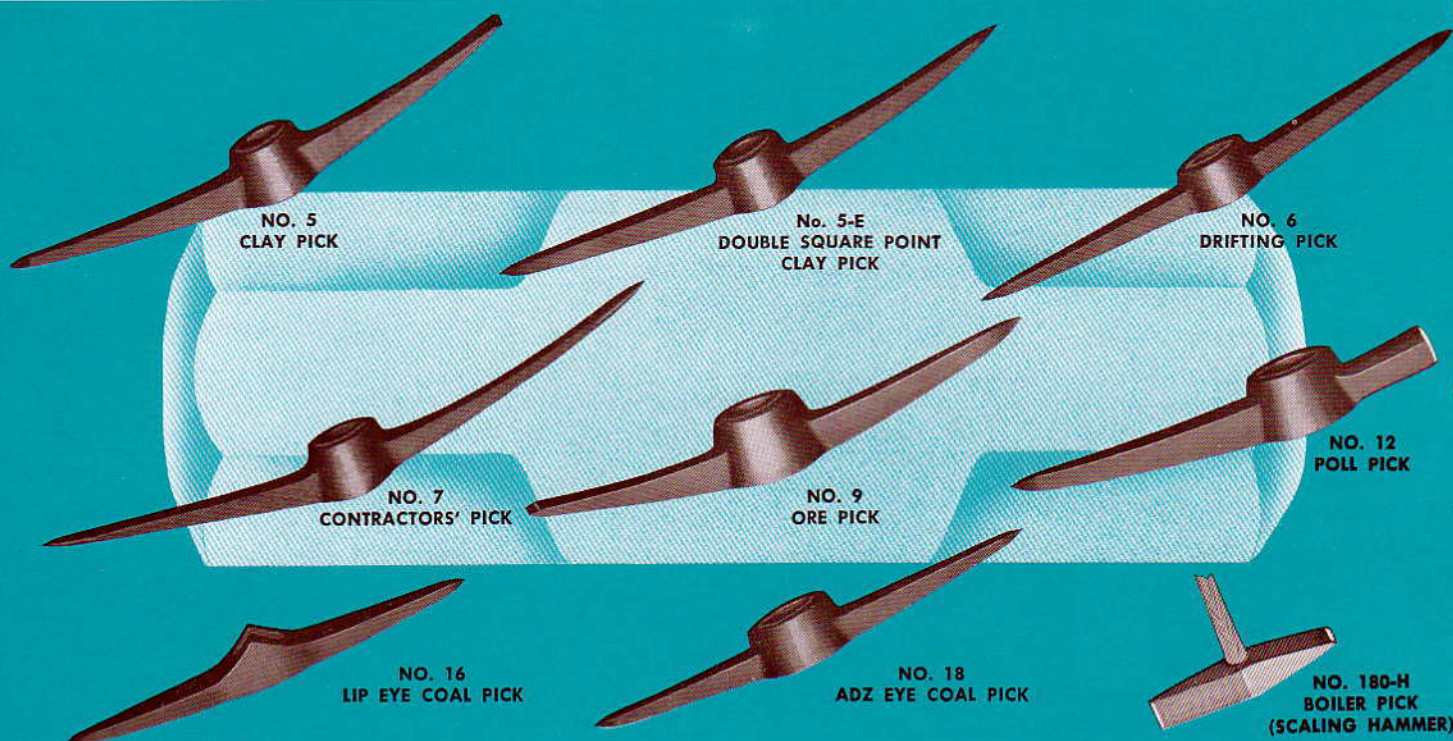
Taper for typical tool handle



PRIMARY ITEMS

★FAST SELLERS (see page 2)

No.	Weight	List Price Each (With Uninserted Handles)	List Price Each (Head Only)	Length	Eye No.	Bit	Handle Length	Pieces Per Standard Package
5	★5 lbs.	\$ 6.94	\$ 4.38	21"	6		36"	5
	★6 lbs.	7.26	4.70	23"	6		36"	5
	★7 lbs.	7.64	5.08	25"	6		36"	5
	★8 lbs.	8.22	5.66	26"	6		36"	5
	9 lbs.	8.64	6.08	27"	6		36"	5
5-E	7 lbs.	7.64	5.08	25"	6		36"	5
6	No. 2—4 lbs.	Inserted 9.16	4.62	21"	10		34"	10
	No. 4—5 lbs.	Inserted 9.58	5.04	25"	10		34"	10
7	★8 lbs.	9.00	6.44	30"	6		36"	5
9	7 lbs.	8.50	5.84	22"	6		36"	5
12	No. 4—5 lbs.	8.82	6.16	16"	*10		34"	10
16	3 lbs.	Inserted 6.12	3.46	17"	*10		34"	10
18	3 lbs.	Inserted 6.26	3.60	18"	10		34"	10
180-H	1 lb.	Inserted 3.42	Not Available	6 1/4"	2	1"	14"	



SECONDARY ITEMS (WITH PRIMARY SUBSTITUTES FOR STOCK SIMPLIFICATION)

No.	Weight	List Price Each (With Inserted Handles)	List Price Each (Head Only)	Length	Eye No.	Handle Length	Pieces Per Standard Package	Substitute	
6	No. 5—6 lbs.	\$ 9.86	\$ 5.32	26"	*10	34"	5	No. 6	5 lbs.
16	2 1/2 lbs.	5.94	3.28	16"	*10	34"	10	No. 16	3 lbs.
	3 1/2 lbs.	6.30	3.64	18"	*10	34"	10	No. 16	3 lbs.
	4 lbs.	6.48	3.82	18 1/2"	*10	34"	10	No. 16	3 lbs.
18	2 1/2 lbs.	6.08	3.42	17"	10	34"	10	No. 18	3 lbs.
	3 1/2 lbs.	6.44	3.78	18 1/4"	10	34"	10	No. 18	3 lbs.

SPECIAL ORDER ITEMS (TO BE DISCONTINUED WHEN OUR STOCK IS DEPLETED)

Name	No.	Weight	List Price Each (With Uninserted Handles)	List Price Each (Head Only)	Length	Eye No.	Handle Length	Pieces Per Standard Package
DbL Sq. Pt. Clay Pick	5E	6 lbs.	\$ 7.58	\$ 4.92	23"	6	36"	5
		8 lbs.	8.72	6.06	26"	6	36"	5
Contractors' Pick	7	9 lbs.	Stock Depleted	Stock Depleted	31"	6	36"	5
Lip Eye Coal Pick	16	2 lbs.	Stock Depleted	Stock Depleted	15"	*10	34"	10
Adz Eye Coal Pick	18	2 lbs.	Stock Depleted	Stock Depleted	16"	10	34"	10
		4 lbs.	Stock Depleted	Stock Depleted	18 1/2"	10	34"	10
		5 lbs.	Stock Depleted	Stock Depleted	19 1/2"	10	34"	10

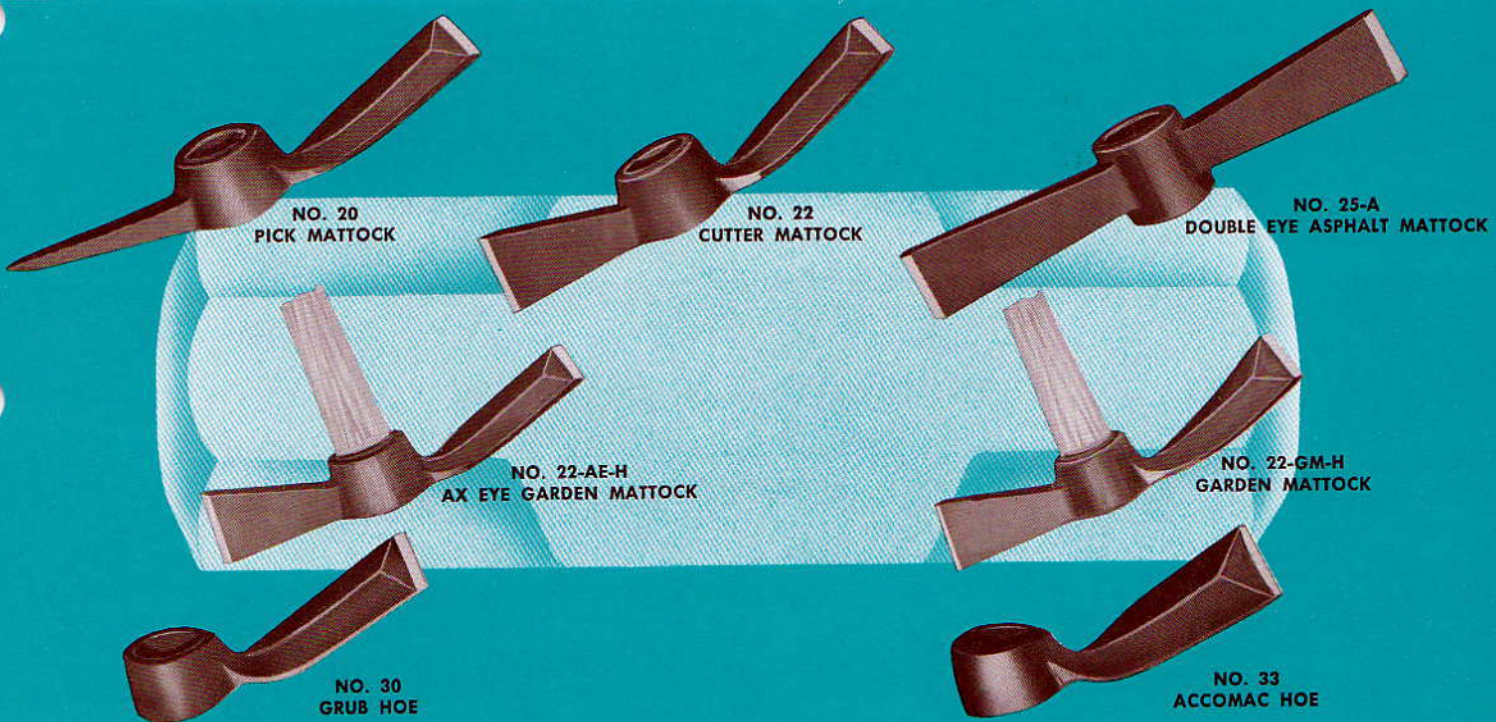
ORDER BY UNIT WEIGHT.

*SHAPE ONLY

PRIMARY ITEMS

★FAST SELLERS (see page 2)

No.	Weight	List Price Each (With Uninserted Handles)	List Price Each (Head Only)	Length	Eye No.	Size Blade or Hoe	Size Cutter or Point	Handle Length	Pieces Per Standard Package
20	★5 lbs.	\$ 7.64	\$ 5.08	19"	6	8" x 3 1/2"	8"	36"	5
	6 lbs.	8.12	5.56	20"	6	8" x 4"	9"	36"	5
22	★3 lbs.	7.46	4.80	12 3/4"	7	3" x 6 1/4"	2 1/2" x 3 3/4"	36"	5
	★5 lbs.	7.60	5.04	15 1/2"	6	3 1/2" x 8"	3" x 4 1/2"	36"	5
	6 lbs.	8.00	5.44	16 1/2"	6	4" x 8"	3 1/2" x 5 1/2"	36"	5
25-A	10 lbs.	14.08	11.42	20"	Special		8 1/2" x 3"	36"	
22-AE or 22-AE-H	★2 1/2 lbs.	5.68 Inserted	4.46	13"	*10	2 5/8" x 6 1/2"	2 1/4" x 3 1/4"	36"	5
22-GM or 22-GM-H	3 lbs.	5.92	4.80	13"	7	3" x 6 1/2"	2 1/2" x 3 3/4"	36"	5
30	No. 1—3 1/2 lbs.	7.52	4.86	10 3/8"	8	3 3/4" x 7"		36"	10
33	5 lbs.	10.58	7.92	11 3/8"	8	6 1/2" x 8"		36"	10



SPECIAL ORDER ITEMS (TO BE DISCONTINUED WHEN OUR STOCK IS DEPLETED)

Name	No.	Weight	List Price Each (With Uninserted Handles)	List Price Each (Head Only)	Length	Eye No.	Size Blade or Hoe	Size Cutter or Point	Handle Length	Pieces Per Standard Package
Coopers' Froe	26	5 lbs.	\$11.60	\$ 8.94	17"	4		14" x 2 1/4"	18"	
Hazel Hoe	32	3 lbs.	Stock Depleted	Stock Depleted	10 3/8"	9	6" x 7 1/2"		36"	10
Fire Fighting Hoe	37	3 lbs.	10.04	7.38	8 1/2"	*11	6 1/4" x 6 1/4"		34"	10

ORDER BY UNIT WEIGHT.

*SHAPE ONLY

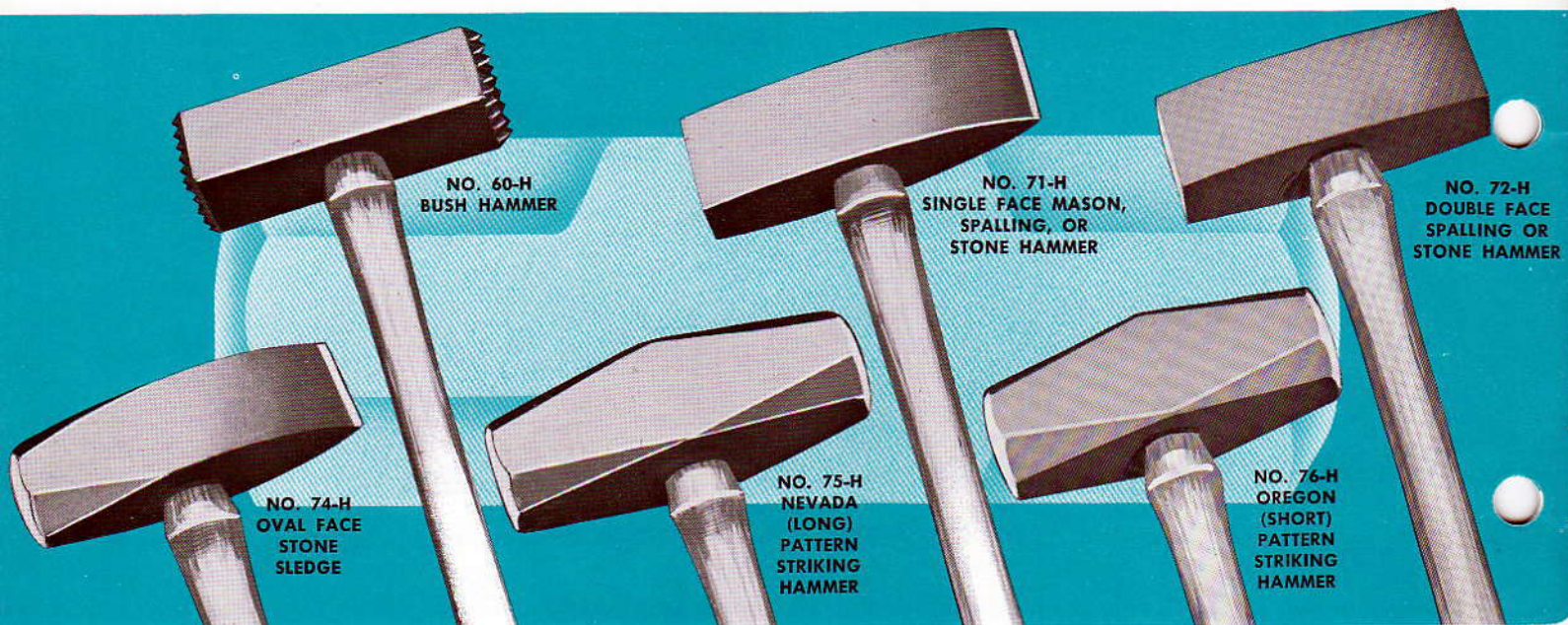
All Mattocks and Hoes are Slip-on Type (Except 22-AE).

WARREN-TEED HAMMERS AND SLEDGES

PRIMARY ITEMS

★FAST SELLERS (see page 2)

No.	Weight	List Price Each (Handled)	List Price Each (Head Only)	Length	Eye No.	Eye Size	Handle Length	Face	Pieces Per Standard Package
60 or 60-H Handled	4 lbs. 6 lbs.	\$24.28 37.20	\$22.66 34.30	6" 6¾"	2 2	¾" x 1" 1" x 1¼"	16" 32"	1¾" 2"	
71 or 71-H Handled	3 lbs. 4 lbs. 8 lbs. 12 lbs.	5.94 6.36 10.74 14.92	4.32 4.74 7.76 11.94	5½" 6" 7¾" 8¾"	2 2 2 2	¾" x 1" ¾" x 1" 1" x 1¼" 1" x 1½"	16" 16" 32" 34"	2½" x 1" 1⅞" x 1¼" 2⅜" x 1½" 2⅝" x 1¾"	
74 or 74-H Handled	8 lbs. 12 lbs.	10.04 13.94	7.26 11.16	7¼" 8¼"	2 2	1" x 1¼" 1" x 1½"	32" 34"	2¼" 2⅝"	
75 or 75-H Handled	3 lbs. 4 lbs.* 6 lbs. ★ 8 lbs. 10 lbs. 12 lbs. 16 lbs.	5.48 16" Hdle. 5.76 32" Hdle. 7.02 8.34 9.02 10.54 11.70 14.84	3.86 4.24 5.56 6.24 7.76 8.92 12.06	5¼" 5¾" 6½" 7¼" 7¾" 8" 8½"	2 2 2 2 2 2 2	¾" x 1" ¾" x 1" 1" x 1¼" 1" x 1¼" 1" x 1½" 1" x 1½" 1" x 1½"	16" 16" 32" 32" 32" 34" 34"	1⅜" 1½" 1¾" 1⅝" 2¼" 2½" 2½"	5 5 5 5 5
76 or 76-H Handled	3 lbs. 4 lbs.* 6 lbs. 8 lbs. 10 lbs. 12 lbs. 16 lbs.	5.48 16" Hdle. 6.16 32" Hdle. 7.52 8.34 9.02 10.54 11.70 14.84	3.86 4.54 5.56 6.24 7.76 8.92 12.06	4½" 5" 5½" 6¼" 6¾" 7¼" 7¾"	2 2 2 2 2 2 2	¾" x 1" ¾" x 1" 1" x 1¼" 1" x 1¼" 1" x 1½" 1" x 1½" 1" x 1½"	16" 16" 32" 32" 32" 34" 34"	1½" 1⅝" 1⅞" 2⅞" 2¼" 2⅜" 2⅝"	5 5 5 5 5



SECONDARY ITEMS (WITH PRIMARY SUBSTITUTES FOR STOCK SIMPLIFICATION)

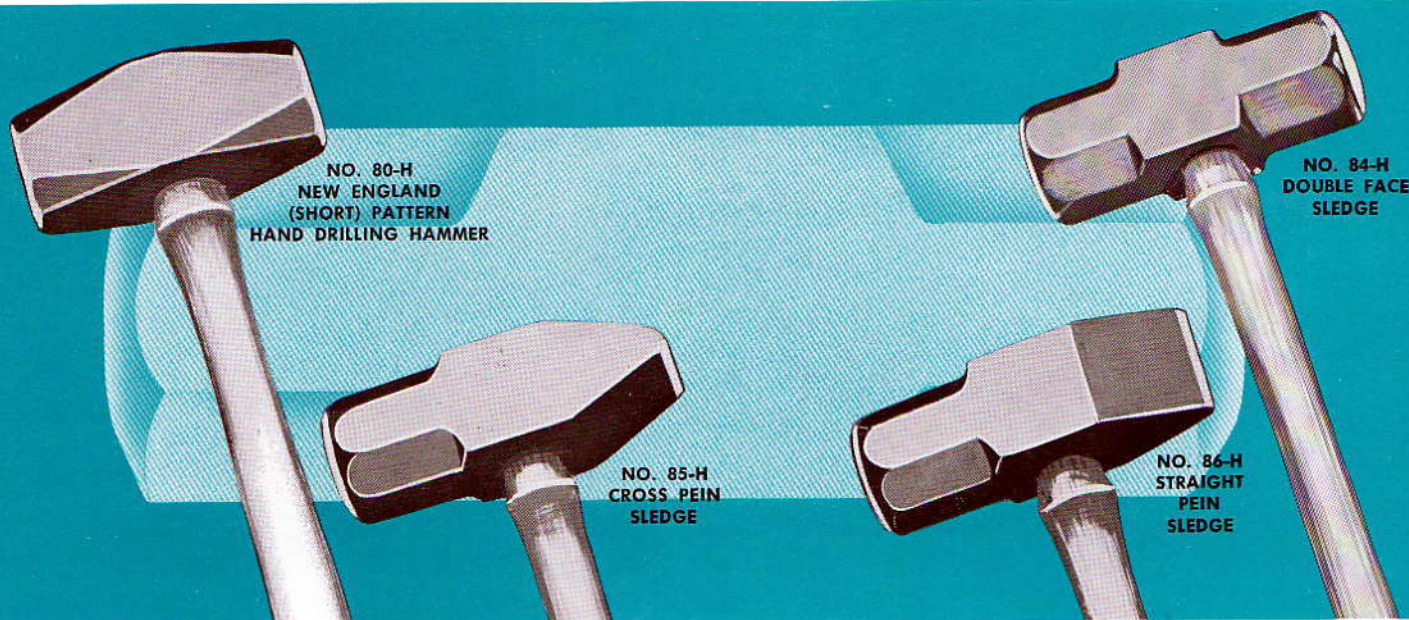
No.	Weight	List Price Each (Handled)	List Price Each (Head Only)	Length	Eye No.	Eye Size	Handle Length	Face	Substitute
71 or 71-H Handled	6 lbs. 16 lbs.	\$ 9.32 18.66	\$ 6.34 15.68	6½" 9½"	2 2	1" x 1¼" 1" x 1½"	32" 34"	2⅜" x 1⅜" 2⅞" x 2"	No. 71 8 lbs. No. 71 12 lbs.
72 or 72-H Handled	8 lbs. 12 lbs.	11.08 15.44	8.10 12.46	6½" 7"	2 2	1" x 1¼" 1" x 1½"	32" 34"	2½" x 1½" 2⅝" x 2"	No. 71 8 lbs. No. 71 12 lbs.
74 or 74-H Handled	6 lbs. 10 lbs. 16 lbs. 20 lbs.	9.32 12.90 18.66 22.40	6.34 9.92 15.68 19.42	7" 7¾" 9¼" 9¾"	2 2 2 2	1" x 1¼" 1" x 1½" 1" x 1½" 1¼" x 1½"	32" 34" 34" 36"	2" 2½" 2⅞" 3"	No. 74 8 lbs. No. 74 8 or 12 lbs. No. 74 12 lbs. No. 74 12 lbs.

ORDER BY UNIT WEIGHT.

* 4 lb. size orders not specifying handle length will be filled with 16" handle.

PRIMARY ITEMS
★FAST SELLERS (see page 2)

No.	Weight	List Price Each (Handled)	List Price Each (Head Only)	Length	Eye No.	Eye Size	Handle Length	Face	Pieces Per Standard Package
80 or 80-H Handled	2 lbs.	\$ 5.02	\$ 3.82	3 1/2"	2	3/4" x 1"	10 1/2"	1 1/4"	5-Handled
	3 lbs.	5.26	4.06	4"	2	3/4" x 1"	10 1/2"	1 1/2"	5-Handled
	4 lbs.	5.72	4.52	4 1/2"	2	3/4" x 1"	10 1/2"	1 3/8"	5-Handled
84 or 84-H Handled	2 lbs.	4.30	3.10	4 1/4"	2	5/8" x 7/8"	15"	1 1/2"	5
	2 1/2 lbs.	4.30	3.10	4 1/2"	2	5/8" x 7/8"	15"	1 3/8"	
	3 lbs.	4.90	3.70	4 3/4"	2	3/4" x 1"	15"	1 3/8"	
	★ 4 lbs.*	15" Hdle. 5.38 32" Hdle. 5.98	4.20	5 1/4"	2	3/4" x 1"	15"	1 3/4"	
	★ 6 lbs.	8.34	5.56	6"	2	1" x 1 1/4"	32"	2 1/8"	5
	★ 8 lbs.	9.02	6.24	6 1/2"	2	1" x 1 1/4"	32"	2 1/4"	5
	★ 10 lbs.	10.54	7.76	7"	2	1" x 1 3/8"	34"	2 1/2"	5
	★ 12 lbs.	11.72	8.94	7 1/2"	2	1" x 1 3/8"	34"	2 5/8"	5
	16 lbs.	14.84	12.06	8 1/4"	2	1" x 1 3/8"	34"	2 7/8"	3-Handled
	20 lbs.	19.32	16.34	8 3/4"	2	1 1/4" x 1 1/2"	36"	3 1/8"	
	85 or 85-H Handled	2 lbs.	4.42	4 1/2"	2	5/8" x 7/8"	16"	1 1/2"	
		2 1/2 lbs.	4.56	4 3/4"	2	5/8" x 7/8"	16"	1 3/8"	
		3 lbs.	4.90	5"	2	3/4" x 1"	16"	1 3/8"	
		4 lbs.	5.76	5 1/2"	2	3/4" x 1"	16"	1 3/4"	
		8 lbs.	9.46	7"	2	1" x 1 1/4"	32"	2 1/4"	
		12 lbs.	12.40	8"	2	1" x 1 3/8"	34"	2 5/8"	
86 or 86-H Handled	8 lbs.	10.12	7.14	7"	2	1" x 1 1/4"	32"	2 1/4"	
	12 lbs.	13.28	10.30	8"	2	1" x 1 3/8"	34"	2 5/8"	



SECONDARY ITEMS (WITH PRIMARY SUBSTITUTES FOR STOCK SIMPLIFICATION)

No.	Weight	List Price Each (Handled)	List Price Each (Head Only)	Length	Eye No.	Eye Size	Handle Length	Face	Substitute	
85 or 85-H Handled	6 lbs.	\$ 9.20	\$ 6.34	6 1/2"	2	1" x 1 1/4"	32"	2 1/8"	No. 85	8 lbs.
	10 lbs.	11.58	8.72	7 1/2"	2	1" x 1 3/8"	34"	2 1/2"	No. 85	8 or 12 lbs.
	16 lbs.	16.68	13.70	9"	2	1" x 1 3/8"	34"	2 7/8"	No. 85	12 lbs.
86 or 86-H Handled	10 lbs.	11.70	8.72	7 1/2"	2	1" x 1 3/8"	34"	2 1/4"	No. 86	8 or 12 lbs.
	14 lbs.	14.97	11.99	8 1/2"	2	1" x 1 3/8"	34"	2 3/4"	No. 86	12 lbs.

SPECIAL ORDER ITEMS (TO BE DISCONTINUED WHEN OUR STOCK IS DEPLETED)

Name	No.	Weight	List Price Each (Handled)	List Price Each (Head Only)	Length	Eye No.	Eye Size	Handle Length	Face
Colorado Pattern HD Hammer	80-A	3 lbs.	Stock Depleted	Stock Depleted	5 1/4"	2	3/4" x 1"	16"	1 1/4"
	or 80-AH	4 lbs.	\$ 5.98	\$ 4.72	5 3/4"	2	3/4" x 1"	16"	1 1/2"
Napping Hammer	89 or 89-H	4 lbs. *	16" Hdle. 6.32 32" Hdle. 7.68	4.70	6 1/4"	2	3/4" x 1"	16"	1 3/8"

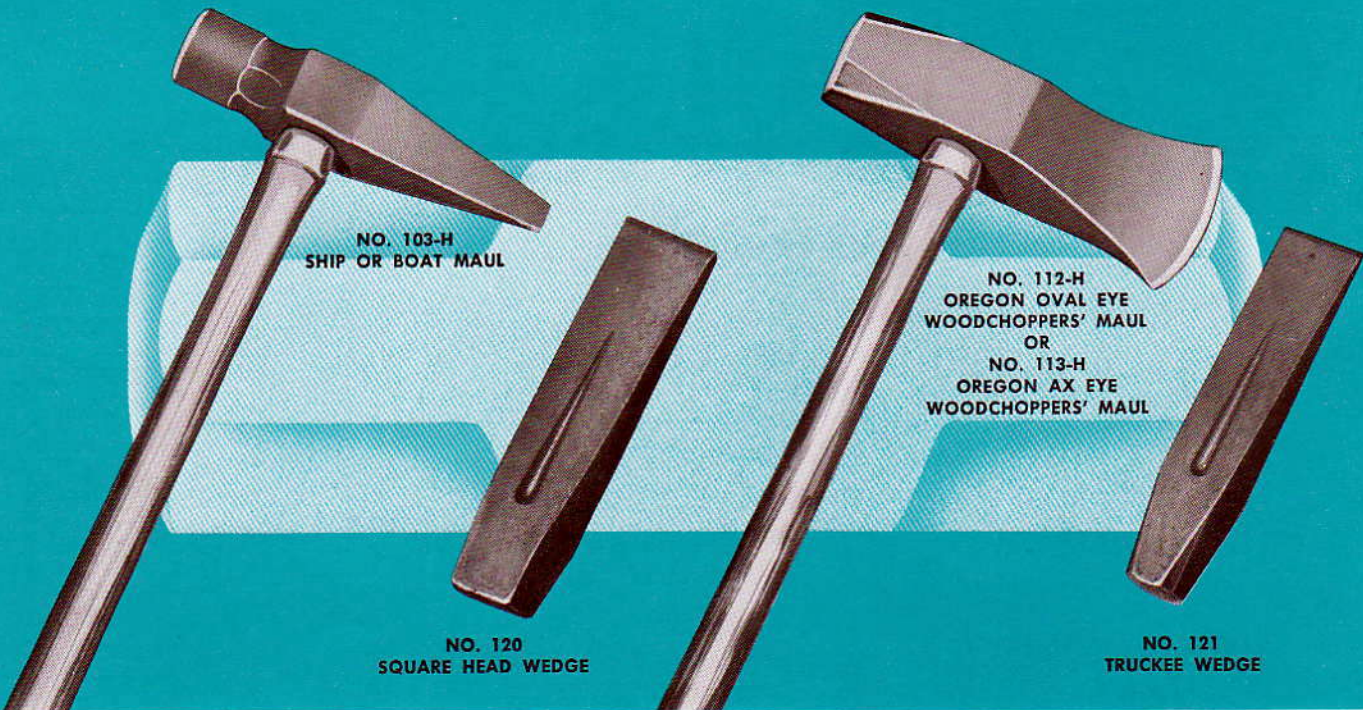
ORDER BY UNIT WEIGHT.

* 4 lb. size orders not specifying handle length will be filled with either 15" or 16" handle.

PRIMARY ITEMS

★FAST SELLERS (see page 2)

No.	Weight	List Price Each (Handled)	List Price Each (Head Only)	Length	Eye No.	Head	Bit	Handle Length	Pieces Per Standard Package
103 or 103-H Handled	5 lbs.	\$10.76	\$ 7.78	8 $\frac{3}{4}$ "	2 (1" x 1 $\frac{1}{4}$ ")	1 $\frac{7}{8}$ " round	Small Face 1 $\frac{9}{16}$ "	32"	
112 or 112-H Handled	6 lbs. 8 lbs.	9.02 10.44	6.24 7.66	8 $\frac{1}{2}$ " 9 $\frac{1}{8}$ "	2 2 (1" x 1 $\frac{1}{4}$ ")	1 $\frac{7}{8}$ " 2"	3 $\frac{1}{2}$ " 4"	32" 32"	4-Handled 4-Handled
113 or 113-H Handled	6 lbs. 8 lbs.	9.02 10.44	6.24 7.66	8 $\frac{1}{2}$ " 9 $\frac{1}{8}$ "	5 5 ($\frac{7}{8}$ " x 2 $\frac{1}{8}$ ")	1 $\frac{7}{8}$ " 2"	3 $\frac{1}{2}$ " 4"	36" 36"	4-Handled 4-Handled
120	★3 lbs. ★4 lbs. ★5 lbs. 6 lbs. 8 lbs.		2.36 2.64 2.84 3.38 4.40	7 $\frac{1}{2}$ " 8 $\frac{1}{2}$ " 9" 10" 11"		1 $\frac{1}{4}$ " 1 $\frac{3}{8}$ " 1 $\frac{1}{2}$ " 1 $\frac{5}{8}$ " 1 $\frac{7}{8}$ "	2" 2 $\frac{1}{4}$ " 2 $\frac{3}{8}$ " 2 $\frac{1}{2}$ " 2 $\frac{3}{4}$ "		10 10 10 10
121	4 lbs. 5 lbs. 6 lbs.		2.96 3.18 3.66	9" 9 $\frac{1}{2}$ " 10 $\frac{1}{2}$ "		1 $\frac{1}{4}$ " 1 $\frac{3}{8}$ " 1 $\frac{1}{2}$ "	2 $\frac{1}{4}$ " 2 $\frac{3}{8}$ " 2 $\frac{1}{2}$ "		10 10 10



SECONDARY ITEMS (WITH PRIMARY SUBSTITUTES FOR STOCK SIMPLIFICATION)

No.	Weight	List Price Each	Length	Head	Bit	Substitute
121	8 lbs.	\$ 4.62	11 $\frac{1}{2}$ "	1 $\frac{3}{4}$ "	2 $\frac{3}{4}$ "	No. 120 8 lbs.

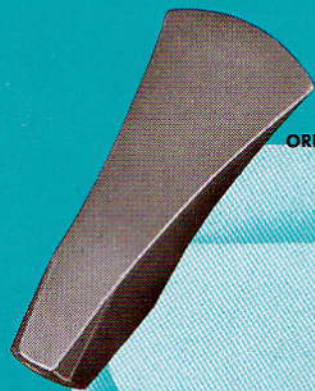
ORDER BY UNIT WEIGHT.

PRIMARY ITEMS

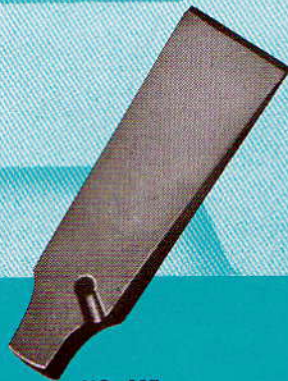
No.	Weight	List Price Each	Length	Head	Bit	Pieces Per Standard Package
123	6 lbs.	\$ 5.50	8 3/4"	1 3/4"	4"	
	8 lbs.	7.02	9 1/2"	2"	4"	
136	3 lbs.	2.70	6 3/4"	2" x 1 1/4"	3 1/8"	10
	4 lbs.	3.26	7 1/2"	2 1/8" x 1 3/8"	3 3/8"	10
137	3 lbs.	2.78	9 1/2"	1" x 7/8"	3"	
137-A	1 lb.	2.40	7"	1 3/4" x 1"	2 3/8"	10

SECONDARY ITEMS (WITH PRIMARY SUBSTITUTES FOR STOCK SIMPLIFICATION)

No.	Weight	List Price Each	Length	Head	Bit	Substitute	
137	1/2 lb.	\$ 1.54	5"	3/4" x 1 1/2"	1 3/4"	No. 137	3 lbs.
	1 lb.	1.88	6"	7/8" x 5/8"	2"	No. 137	3 lbs.
	2 lbs.	2.26	7 1/2"	1" x 3/4"	2 3/8"	No. 137	3 lbs.



NO. 123
OREGON SPLITTING WEDGE



NO. 137
IMPROVED PATTERN SAW WEDGE



NO. 137-A
ALUMINUM CHAIN SAW WEDGE



NO. 136
STAVE WEDGE

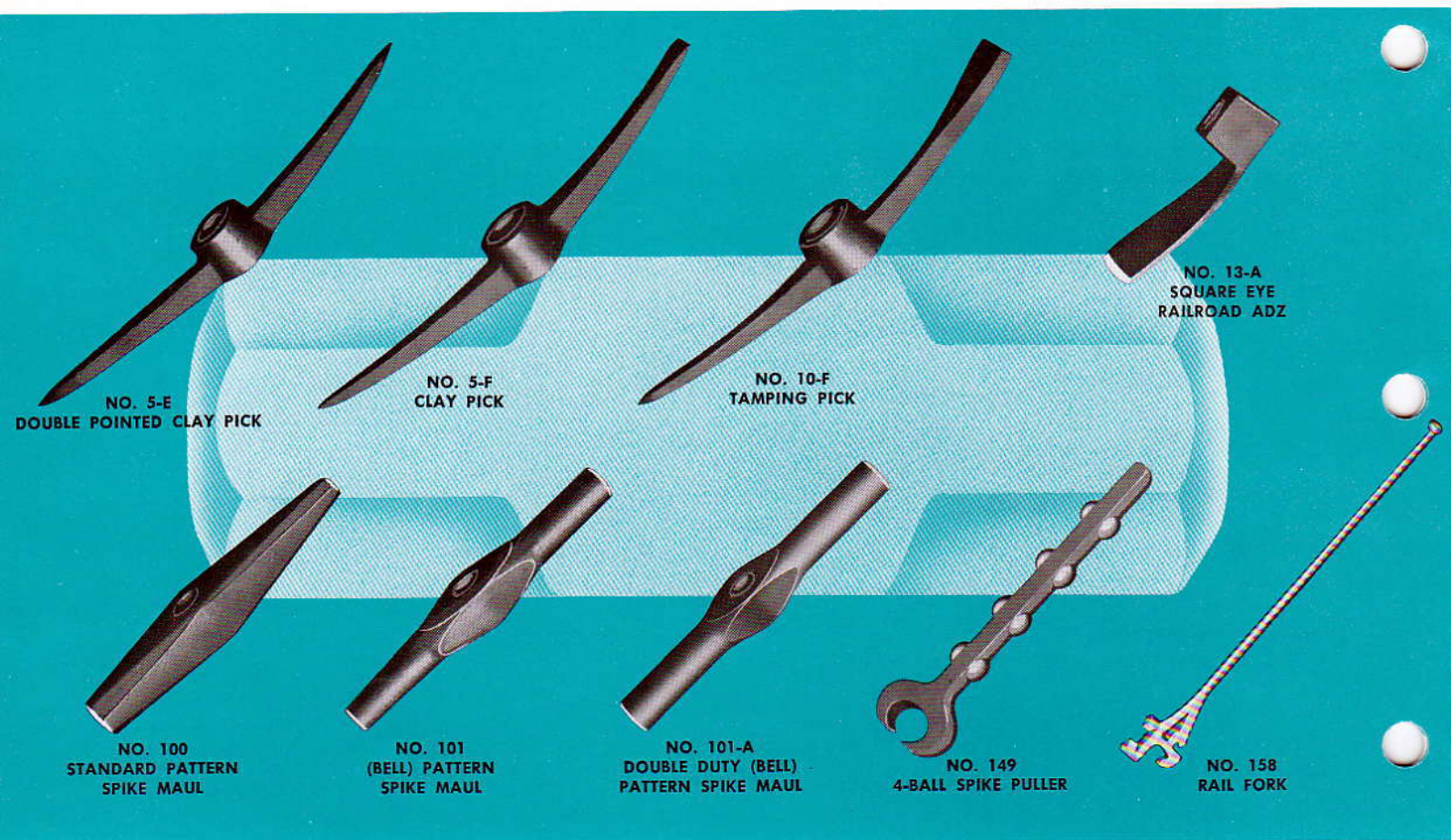
SPECIAL ORDER ITEMS (TO BE DISCONTINUED WHEN OUR STOCK IS DEPLETED)

Name	No.	Weight	List Price Each	Length	Head	Bit
Pacific Coast Falling Wedge	127	5 lbs.	\$ 5.80	10"	2 1/2" x 7/8"	4"
		6 lbs.	6.30	11"	2 5/8" x 1"	4 1/2"
		8 lbs.	7.40	12"	3" x 1"	5"
Pacific Coast Bucking Wedge	130	6 lbs.	6.28	9 1/4"	2 3/8" x 1 1/8"	5 1/2"
		8 lbs.	7.40	10"	2 5/8" x 1 1/4"	6"
Coal Wedge	134	2 lbs.	1.62	9 1/2"	1 1/8" x 1 3/8"	
		2 1/2 lbs.	1.74	9 3/4"	1 3/8" x 1"	
		3 1/2 lbs.	2.26	11"	1 1/4" x 1 1/8"	
Stone Wedge	138	2 lbs.	3.92	4 3/4"	1 3/8" x 1 3/8"	1/4" x 1 1/2"

ORDER BY UNIT WEIGHT.

PRIMARY ITEMS

No.	Weight	List Price Each (Handled)	List Price Each (Head Only)	Length	Eye No.	Eye Size	Handle Length	Blade or Bit	Small Face	Large Face	A.R.E.A. Plan	Pieces Per Standard Package
5-E	7 lbs.	\$ 7.64	\$ 5.08	25"	6		36"				No. 1	5
5-F	7 lbs.	7.64	5.08	25"	6		36"				No. 1	5
10-F	8 lbs.	9.92	7.26	24 1/2"	6		36"				No. 2	
13-A	6 lbs.	12.04	8.38	12"	11		34"	4" x 9"			No. 12	
100	8 lbs.	9.74	6.76	12"	2	1" x 1 3/8"	36"		3/4"	1 1/2"		
	10 lbs.	11.30	8.32	12 3/4"	2	1" x 1 3/8"	36"		1"	1 3/4"		
101	10 lbs.	11.56	8.58	15"	2	1" x 1 3/8"	36"		1 1/4"	1 5/8"	No. 3	
											Design No. 2	
101-A	10 lbs.	11.56	8.58	14"	2	1" x 1 3/8"	36"		1 5/8"	1 5/8"	No. 3	
											Design No. 1	
149	2 1/2 lbs.		6.14	12"							No. 9	
158	13 lbs.		36.52	40"							No. 10-57	



SECONDARY ITEMS (WITH PRIMARY SUBSTITUTES FOR STOCK SIMPLIFICATION)

No.	Weight	List Price Each (Handled)	List Price Each (Head Only)	Length	Eye No.	Eye Size	Handle Length	Blade or Bit	Small Face	Large Face	Pieces Per Standard Package	Substitute
13-A	5 1/2 lbs.	\$12.02	\$ 8.36	11"	11		34"	4" x 8"				No. 13-A 6 lbs.
100	6 lbs.	9.22	6.24	11"	2	1" x 1 1/4"	36"		1 1/8"	1 3/8"		No. 100 8 lbs.

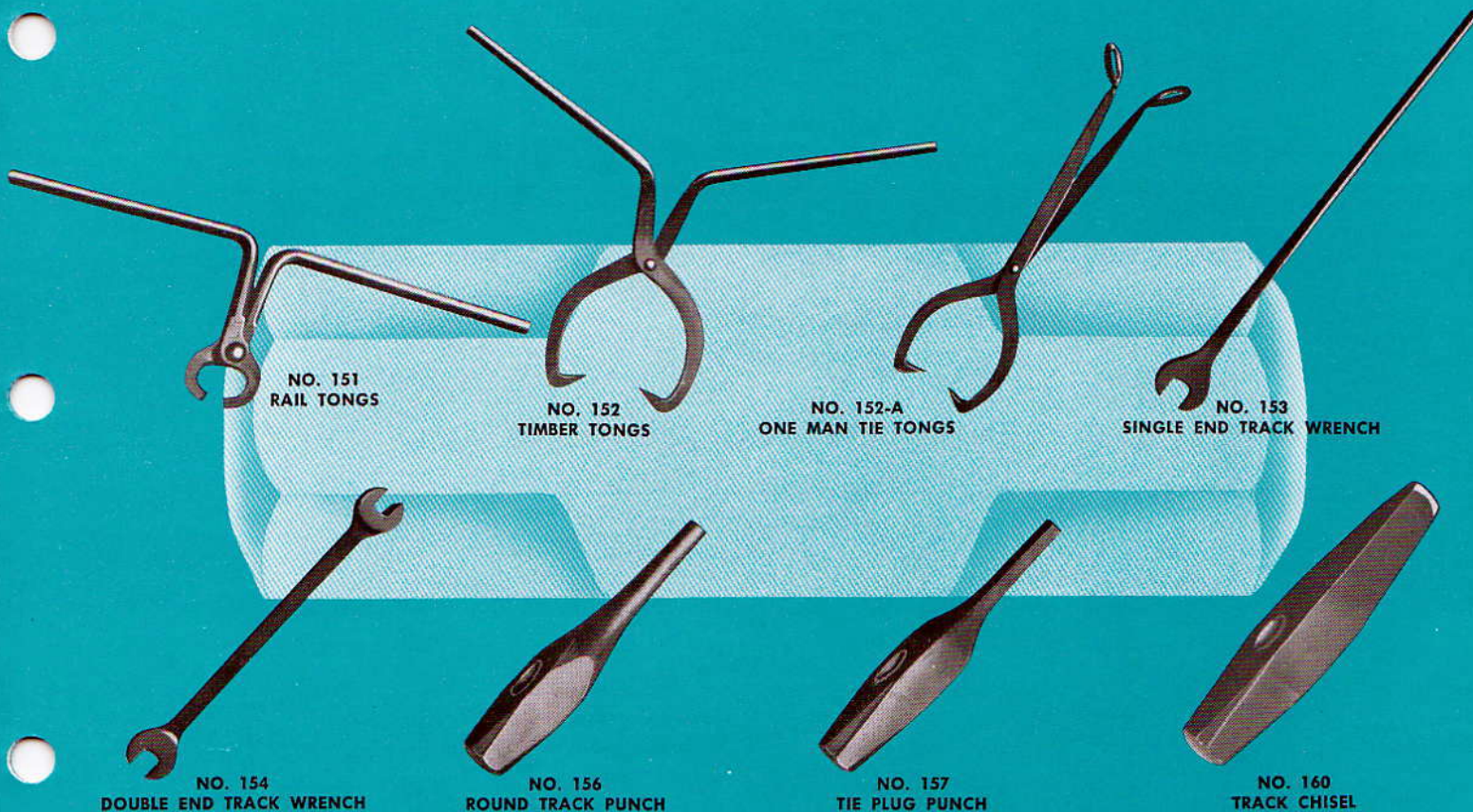
SPECIAL ORDER ITEMS (TO BE DISCONTINUED WHEN OUR STOCK IS DEPLETED)

Name	No.	Weight	List Price Each (Handled)	List Price Each (Head Only)	Length	Eye No.	Blade or Bit	Handle Length
Dbl. Pt. Clay Pick	5-E	6 lbs.	\$ 7.58	\$ 4.92	23"	6		36"
		8 lbs.	8.72	6.06	26"	6		36"
Square Eye Railroad Adz	13-A	5 lbs.	Stock Depleted	Stock Depleted	10"	11	4" x 7"	34"
		6 lbs.	Stock Depleted	Stock Depleted	10 1/4"	11	5" x 7 1/4"	34"

ORDER ADZES BY BLADE SIZE; WRENCHES BY BOLT SIZE; ALL OTHER ITEMS ON PAGES 10 AND 11 BY UNIT WEIGHT.

PRIMARY ITEMS

No.	Weight	List Price Each	Length	A.R.E.A. Plan	Maximum Jaw Opening	Size Bolt	Pieces Per Standard Package
151	18 lbs.	\$19.12	(Distance Across Handles 44")	No. 6	3 3/4"		2
152	11 1/4 lbs.	16.36	(Distance Across Handles 41 3/4")	No. 8	15 1/2"		4
152-A	10 lbs.	15.16		No. 7	15 1/2"		4
153	7 lbs.	9.88	30"	No. 4	1 5/8"	3/4"	4
	10 lbs.	11.62	36"	No. 4	1 1/2"	7/8"	4
	11 lbs.	12.82	42"	No. 4	1 1/8"	1"	4
	14 lbs.	14.72	48"	No. 4	1 1/8"	1 1/8"	4
	16 lbs.	19.66	48"	No. 4	2 1/8"	1 1/4"	4
	18 lbs.	25.72	54"	No. 4	2 1/4"	1 3/8"	4

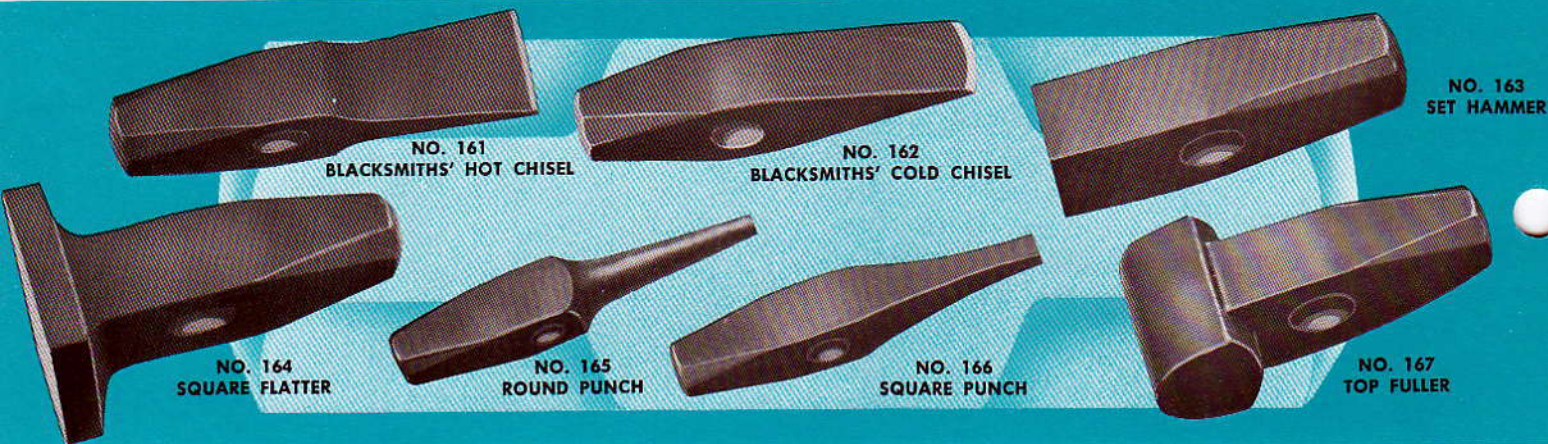


PRIMARY ITEMS (Cont'd)

No.	Weight	List Price Each (Handled)	List Price Each (Head Only)	Length	Eye No.	Eye Size	Handle Length	Blade or Bit	Small Face	A.R.E.A. Plan	Maximum Jaw Opening	Size Bolt	Pieces Per Standard Package
154	11 lbs.		\$17.46	36"						No. 4	1 5/8" - 1 1/2"	3/4" - 7/8"	4
	12 lbs.		18.66	42"						No. 4	1 1/2" - 1 1/8"	7/8" - 1"	4
	14 lbs.		21.22	48"						No. 4	1 1/8" - 1 7/8"	1" - 1 1/8"	4
	15 lbs.		27.02	48"						No. 4	1 7/8" - 2 1/8"	1 1/8" - 1 1/4"	4
	16 lbs.		31.58	48"						No. 4	2 1/8" - 2 1/4"	1 1/4" - 1 3/8"	4
156	5 1/2 lbs.	\$13.06	11.44	13"	3	3/4" x 1 3/8"	24"		1 1/8" rd.	No. 19			
157	4 lbs.	11.86	10.24	12 1/2"	3	3/4" x 1 3/8"	24"		1/2" sq.	No. 18			
160	5 1/2 lbs.	11.04	9.42	9 1/4"	3	3/4" x 1 3/8"	24"	1 1/8"					

WRENCHES BY BOLT SIZE; ALL OTHER ITEMS ON PAGES 10 AND 11 BY UNIT WEIGHT.

No.	Size	Weight	List Price Each (Handled)	List Price Each (Head Only)	Length	Eye No.	Eye Size	Handle Length	Stock at Face	Bit	Stock at Eye	Size of Punch
161 or 161-H	1 1/4" 1 1/2" 1 3/4"	2 lbs. 3 lbs. 5 lbs.	\$ 6.18 7.44 11.96	\$ 4.56 5.82 8.98	7 3/8" 8 1/4" 9 3/4"	2 2 2	5/8" x 7/8" 3/4" x 1" 1" x 1 1/4"	16" 16" 32"		1 5/8" 2" 2 1/4"	1 1/4" 1 1/2" 1 3/4"	
162 or 162-H	1 1/4" 1 1/2" 1 3/4"	2 lbs. 3 lbs. 5 lbs.	5.84 7.14 11.54	4.22 5.52 8.56	6" 7" 8"	2 2 2	5/8" x 7/8" 3/4" x 1" 1" x 1 1/4"	16" 16" 32"		1 1/4" 1 1/2" 1 3/4"	1 1/4" 1 1/2" 1 3/4"	
163 or 163-H	1 1/2" 1 3/4" 2"	2 lbs. 2 3/4 lbs. 4 1/2 lbs.	9.16 11.04 13.54	7.54 9.42 11.92	4 3/4" 5 1/4" 5 1/2"	2 2 2	5/8" x 7/8" 3/4" x 1" 1" x 1 1/4"	16" 16" 16"	1 1/2" 1 3/4" 2"			
164 or 164-H	2" 2 1/2" 3"	2 1/2 lbs. 3 1/2 lbs. 5 lbs.	8.12 10.20 12.52	6.50 8.58 10.90	4 1/2" 5" 5 3/4"	2 2 3	5/8" x 7/8" 3/4" x 1" 3/4" x 1 3/8"	16" 16" 24"	2" 2 1/2" 3"			
165 or 165-H	1/4" 3/8" 1/2" 5/8" 3/4" 7/8" 1"	1 1/4 lbs. 1 1/2 lbs. 2 lbs. 2 1/4 lbs. 2 1/2 lbs. 3 lbs. 3 1/2 lbs.	6.12 6.12 6.42 7.10 7.34 8.08 9.14	4.50 4.50 4.80 5.48 5.72 6.46 7.52	7" 7 1/4" 7 1/2" 7 3/4" 8" 8 1/4" 8 1/2"	2 2 2 2 2 2 2	5/8" x 7/8" 5/8" x 7/8" 5/8" x 7/8" 3/4" x 1" 3/4" x 1" 3/4" x 1" 3/4" x 1"	16" 16" 16" 16" 16" 16" 16"			1 1/8" 1 1/8" 1 1/4" 1 3/8" 1 3/8" 1 1/2" 1 1/2"	1/4" rd. 3/8" rd. 1/2" rd. 5/8" rd. 3/4" rd. 7/8" rd. 1" rd.
166 or 166-H	1/4" 3/8" 1/2"	1 1/4 lbs. 1 1/2 lbs. 2 lbs.	6.12 6.12 6.42	4.50 4.50 4.80	7" 7 1/2" 8"	2 2 2	5/8" x 7/8" 5/8" x 7/8" 3/4" x 1"	16" 16" 16"			1 1/8" 1 1/8" 1 1/4"	1/4" sq. 3/8" sq. 1/2" sq.
167 or 167-H	1/4" 3/8" 1/2" 3/4" 1"	2 lbs. 2 lbs. 2 lbs. 2 1/2 lbs. 3 lbs.	8.02 8.02 8.02 8.26 9.46	6.40 6.40 6.40 6.64 7.84	4 3/4" 4 3/4" 4 3/4" 5 1/2" 5 3/4"	2 2 2 2 2	5/8" x 7/8" 5/8" x 7/8" 5/8" x 7/8" 5/8" x 7/8" 3/4" x 1"	16" 16" 16" 16" 16"			1 1/4" 1 1/4" 1 1/4" 1 3/8" 1 1/2"	



SECONDARY ITEMS (WITH PRIMARY SUBSTITUTES FOR STOCK SIMPLIFICATION)

No.	Size	Weight	List Price Each (Handled)	List Price Each (Head Only)	Length	Eye No.	Eye Size	Handle Length	Stock at Face	Substitute	
163 or 163-H	1 1/4"	1 1/2 lbs.	\$ 7.66	\$ 6.04	4 1/2"	2	5/8" x 7/8"	16"	1 1/4"	No. 163	1 1/2"
164 or 164-H	4"	7 1/4 lbs.	23.34	21.72	6"	3	3/4" x 1 3/8"	24"	4"	No. 164	3"

SPECIAL ORDER ITEMS (TO BE DISCONTINUED WHEN OUR STOCK IS DEPLETED)

Name	No.	Size	Weight	List Price Each (Handled)	List Price Each (Head Only)	Length	Eye No.	Eye Size	Handle Length	Stock at Eye	Size of Punch
Square Punch	166 or 166-H	5/8" 3/4"	2 1/4 lbs. 2 1/2 lbs.	\$ 7.10 7.34	\$ 5.48 5.72	7 3/4" 8"	2 2	3/4" x 1" 3/4" x 1"	16" 16"	1 3/8" 1 3/8"	5/8" sq. 3/4" sq.
Top Fuller	167 or 167-H	7/8" 1 1/4" 1 1/2" 1 3/4" 2"	2 3/4 lbs. 4 lbs. 4 lbs. 4 1/2 lbs. 4 1/2 lbs.	9.10 Stock Depleted Stock Depleted 12.86 12.86	7.48 Stock Depleted Stock Depleted 11.24 11.24	5 1/8" 5 1/4" 5 1/4" 5 1/4" 5 1/4"	2 2 2 2 2	5/8" x 7/8" 3/4" x 1" 3/4" x 1" 3/4" x 1" 3/4" x 1"	16" 16" 16" 16" 16"		

ORDER BY SIZE.

PRIMARY ITEMS

No.	Size	Weight	List Price Each (Handled)	List Price Each (Head Only)	Length	Eye No.	Eye Size	Handle Length	Square Shank	Bit	Stock at Eye	Size of Stock	Size of Punch	For Holes
168	3/8"	2 lbs.		\$ 6.38	4 3/8"				1"					
	1/2"	2 lbs.		6.38	4 3/8"				1"					
	3/4"	2 lbs.		6.60	4 3/8"				1"					
	1"	2 1/2 lbs.		7.80	4 3/8"				1"					
169	3/4"	1 1/2 lbs.		3.68	6 1/2"				3/4"	1 7/8"				
	7/8"	1 3/4 lbs.		4.02	6 1/2"				7/8"	2 1/8"				
	1"	2 1/4 lbs.		4.86	6 1/2"				1"	2 1/8"				
	1 1/8"	2 3/4 lbs.		6.18	6 1/2"				1 1/8"	2 1/4"				
172 or 172-H	3/8"	2 lbs.	\$ 7.80	6.18	4 5/8"	2	5/8" x 7/8"	16"						
	1/2"	2 lbs.	7.80	6.18	4 5/8"	2	5/8" x 7/8"	16"						
	3/4"	2 1/4 lbs.	8.22	6.60	4 7/8"	2	5/8" x 7/8"	16"						
	3/4"	2 1/4 lbs.	8.22	6.60	4 7/8"	2	5/8" x 7/8"	16"						
173	3/8"	2 lbs.		6.20	3 3/4"				1"					
	1/2"	2 lbs.		6.20	3 3/4"				1"					
	3/4"	2 1/4 lbs.		6.64	3 3/4"				1"					
	1"	2 1/2 lbs.		7.48	4"				1"					
175	1/2"	7 oz.		.60	6 1/2"							9"		1 1/2"
	3/8"	10 oz.		.64	7"							1 1/8"		5/8"
	3/4"	14 oz.		.72	7 1/2"							1 1/4"		3/4"
	1"	26 oz.		.82	8 1/2"							1 1/2"		1"

NO. 168
BOTTOM FULLER

NO. 169
HARDY

NO. 172
TOP SWAGE

NO. 173
BOTTOM SWAGE

NO. 175
TAPER TYPE
DRIFT PIN

NO. 176
BARREL TYPE
DRIFT PIN

NO. 179
BACKING OUT PUNCH

PRIMARY ITEMS (Cont'd)

176	1/2"	7 oz.		\$.60	6 1/2"							9"		1 1/2"
	3/8"	10 oz.		.64	7"							1 1/8"		5/8"
	3/4"	14 oz.		.72	7 1/2"							1 1/4"		3/4"
	1"	26 oz.		.82	8 1/2"							1 1/2"		1"
179 or 179-H	1 1/2"	1 3/4 lbs.	\$ 6.88	5.26	7 1/2"	2	3/4" x 1"	16"		1 1/4"		1 1/2" rd.		
	3/8"	2 lbs.	7.44	5.82	7 3/4"	2	3/4" x 1"	16"		1 3/8"		5/8" rd.		
	3/4"	2 1/2 lbs.	7.92	6.30	8"	2	3/4" x 1"	16"		1 3/8"		3/4" rd.		
	1"	3 lbs.	8.40	6.78	8 1/4"	2	3/4" x 1"	16"		1 1/2"		7/8" rd.		
	3/4"	3 1/2 lbs.	8.82	7.20	8 1/2"	2	3/4" x 1"	16"		1 1/2"		1"		

SPECIAL ORDER ITEMS (TO BE DISCONTINUED WHEN OUR STOCK IS DEPLETED)

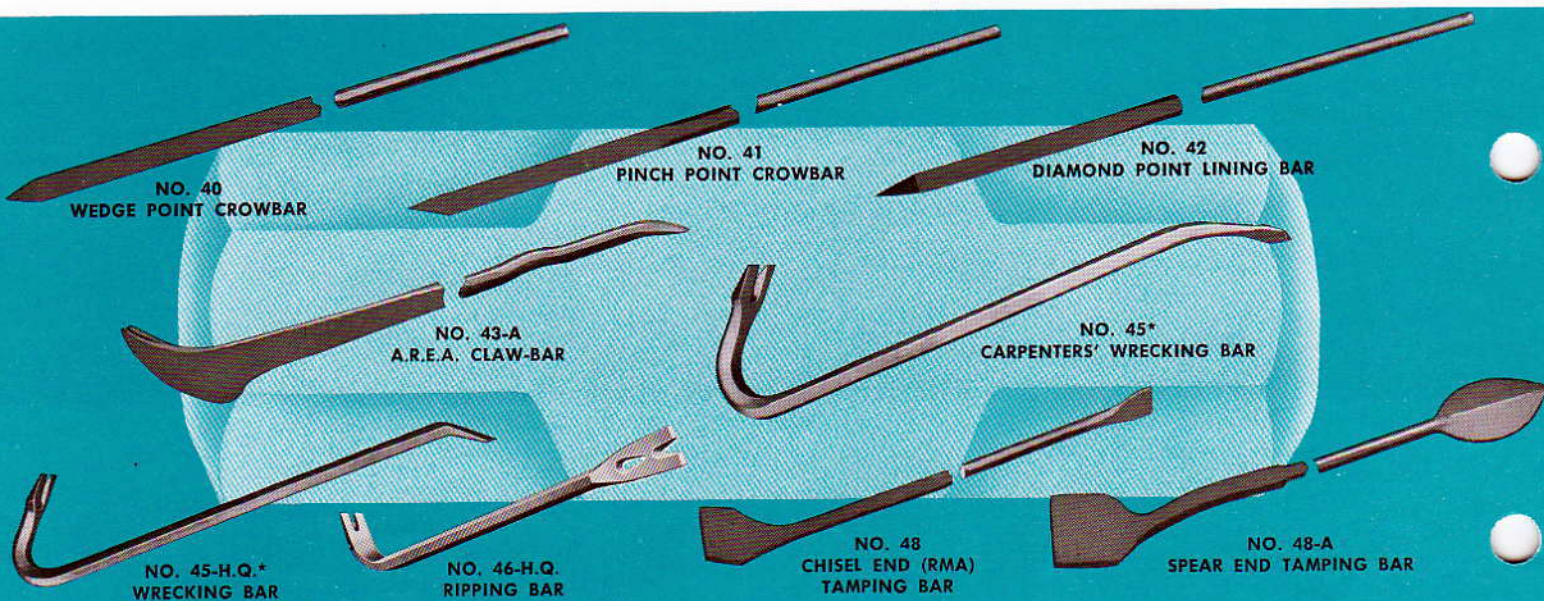
Name	No.	Size	Weight	List Price Each (Handled)	List Price Each (Head Only)	Length	Eye No.	Eye Size	Handle Length	Square Shank	Stock at Face	Bit	Stock at Eye
Bottom Fuller	168	1 1/4"	1 1/2 lbs.		\$ 6.38	4 3/8"				1"			
		7/8"	2 1/4 lbs.		7.46	4 1/2"				1"			
		1 1/4"	3 lbs.		9.40	4 5/8"				1"			
		1 1/2"	3 1/2 lbs.		11.20	4 3/4"				1"			
Hardy	169	5/8"	1 lb.		3.66	6 1/2"				3/4"		1 3/4"	
		1 1/4"	3 1/2 lbs.	\$ 9.90	8.28	5 1/8"	2	3/4" x 1"	16"				
		1 1/2"	3 1/2 lbs.	11.04	9.42	5 1/4"	2	3/4" x 1"	16"				
		2"	4 lbs.	12.84	11.22	5 1/4"	2	3/4" x 1"	16"				
Bottom Swage	173	1 1/4"	3 lbs.		8.24	4 1/8"				1"			
		1 1/2"	3 lbs.		9.40	4 1/2"				1"			
		2"	3 3/4 lbs.		11.20	4 1/2"				1"			
Rivet Buster	174 or 174-H	5 lbs.	5 lbs.	17.98	15.00	8 1/2"	3	3/4" x 1 1/4"	24"		1 1/8"	1 3/4"	1 3/4"

ORDER BY SIZE.

PRIMARY ITEMS
★FAST SELLERS (see page 2)

WARREN-TEED BARS

No.	Weight	List Price Each	Length	Stock	Blade	Tamper	Spike Size	Pieces Per Standard Package	Weight Per Carton or Bundle
40	12 lbs.	\$ 7.48	51"	1 1/8"				6	
	16 lbs.	9.02	57"	1 1/4"				4	
	★18 lbs.	10.08	60"	1 1/4"				4	
	22 lbs.	12.18	64"	1 3/8"				3	
	26 lbs.	14.70	66"	1 1/2"				3	
41	6 lbs.	4.74	36"	5/8"				6	
	10 lbs.	6.64	48"	1"				6	
	12 lbs.	7.48	51"	1 1/8"				6	
	★18 lbs.	10.08	60"	1 1/4"				4	
	★22 lbs.	12.18	64"	1 3/8"				3	
	26 lbs.	14.70	66"	1 1/2"				3	
42	18 lbs.	10.08	60"	1 1/4"				4	
	22 lbs.	12.18	64"	1 3/8"				3	
	26 lbs.	14.70	66"	1 1/2"				3	
43-A	28 lbs.	23.38	60"				9" or 1 1/8" 5/8"	2	
45*		.62	★12"	1/2"				10	7 lbs.
		1.06	★18"	5/8"				10	17 lbs.
		1.62	★24"	3/4"				10	33 lbs.
		1.84	★30"	3/4"				10	39 lbs.
		2.16	★36"	3/4"				5	24 lbs.
		3.02	36"	7/8"				5	36 lbs.
45-H.Q.*		2.14	18"	5/8"				5	11 lbs.
		2.82	★24"	3/4"				5	19 lbs.
		3.22	★30"	3/4"				5	23 lbs.
		3.78	★36"	3/4"				5	28 lbs.
		4.52	36"	7/8"				5	36 lbs.
46-H.Q.		2.94	18"	3/4"				5	13 lbs.
48	13 lbs.	14.10	61"	7/8"	2"x3"	4"x1/2"		4	
48-A	15 lbs.	17.00	68"	1"	4 3/4"x7 1/2"	4"x1/2"		2	



SECONDARY ITEMS (WITH PRIMARY SUBSTITUTES FOR STOCK SIMPLIFICATION)

No.	Weight	List Price Each	Length	Stock	Pieces Per Standard Package	Substitute	
40	10 lbs.	\$ 6.64	48"	1 1/8"	6	No. 40	12 lbs.
	14 lbs.	8.38	54"	1 1/8"	4	No. 40	12 lbs.
41	14 lbs.	8.38	54"	1 1/8"	4	No. 41	12 lbs.
	16 lbs.	9.02	57"	1 1/4"	4	No. 41	18 lbs.

SPECIAL WRECKING BARS

No.	Size	List Price Each	Pieces Per Standard Package	Weight Per Bundle
400*	★1 1/2"x12"	\$.48	12	9 lbs.
	★1 1/2"x18"	.82	12	20 lbs.
	★3/4"x24"	1.26	12	39 lbs.
	★3/4"x30"	1.44	12	47 lbs.
	★3/4"x36"	1.66	12	56 lbs.

ORDER BY UNIT WEIGHT.

*ORDER BY STOCK SIZE AND LENGTH.

PRIMARY ITEMS

★FAST SELLERS (see page 2)

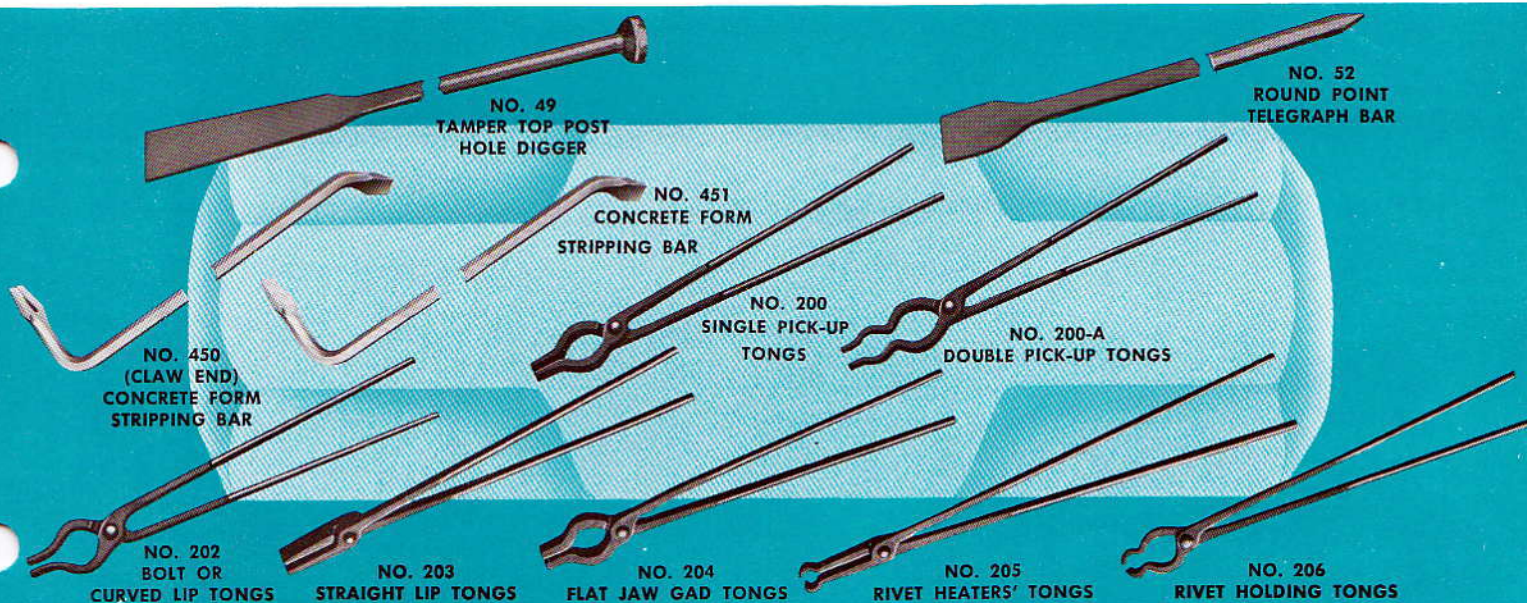
(BARS)

No.	Weight	List Price Each	Length	Stock	Blade	Tamper	Pieces Per Standard Package	Weight Per Carton or Bundle
49	★16 lbs.	\$12.14	69"	1"	2 1/2" x 10"	2 3/8"	4	
52	28 lbs.	17.74	96"	1 1/8"	2 1/4" x 4 1/4"		2	
450	8 lbs.	6.52	42"	7/8"			10	80 lbs.
	12 lbs.	8.34	48"	1"			5	60 lbs.

(TONGS)

No.	Over-all Length	List Price Each	To Hold Rounds	Lip Size	Depth Jaw	Rein Size	Weight
200	24"	\$ 8.94		3/8" x 7/8"	3 3/4"	7/16" x 19 1/4"	3 lbs.
200-A	24"	8.94		3/8" x 1"	4 7/8"	7/16" x 18"	2 3/4 lbs.
202	18"	8.94	1/4"	1/8" x 1 1/2"	3 3/8"	7/16" x 13 3/8"	2 lbs.
	20"	9.60	3/8"	1/8" x 1 1/2"	3 1/2"	7/16" x 15 1/4"	2 lbs.
	20"	9.60	1/2"	1/8" x 3/4"	3 1/2"	7/16" x 15 3/8"	2 1/2 lbs.
	22"	9.62	5/8"	1/8" x 7/8"	3 1/2"	7/16" x 17 3/8"	2 3/4 lbs.
	22"	9.62	3/4"	1/8" x 7/8"	3 1/2"	7/16" x 17 3/8"	2 3/4 lbs.
	24"	10.12	7/8"	1/8" x 1 1/8"	3 1/2"	7/16" x 19 1/8"	2 3/4 lbs.
	24"	10.12	1"	1/8" x 1"	3 1/2"	7/16" x 19 1/8"	3 lbs.
	26"	10.58	1 1/2"	1/8" x 1 3/4"	4 1/2"	7/16" x 20"	3 lbs.
203	18"	8.22		1/4" x 7/8"	2 3/4"	3/8" x 14"	2 1/2 lbs.
	24"	8.96		3/8" x 1"	2 3/4"	7/16" x 20"	3 1/4 lbs.
204	24"	8.96		1/2" x 7/8"	3 3/8"	7/16" x 19 3/8"	3 lbs.
205	30"	10.30		1/8" x 3/8"	5"	3/8" x 23"	2 1/4 lbs.
206	24"	9.60		1/8" x 1/2"	3 1/2"	7/16" x 19"	3 lbs.

ORDER TONGS BY LENGTH — No. 202 TONGS BY ROUNDS AND LENGTH.



SECONDARY ITEMS (WITH PRIMARY SUBSTITUTES FOR STOCK SIMPLIFICATION)

(BARS)

No.	Weight	List Price Each	Length	Stock	Pieces Per Standard Package	Weight Per Carton or Bundle	Substitute	
450	5 lbs.	\$ 5.56	36"	3/4"	10	50 lbs.	No. 450	8 lbs.
451	8 lbs.	5.16	42"	7/8"	10	80 lbs.	No. 450	8 lbs.
	12 lbs.	6.98	48"	1"	5	60 lbs.	No. 450	12 lbs.

SPECIAL ORDER ITEMS (TO BE DISCONTINUED WHEN OUR STOCK IS DEPLETED)

(BARS)

Name	No.	Weight	List Price Each	Length	Stock	Pieces Per Standard Package	Weight Per Carton or Bundle
Timber Bar	51	17 lbs.	\$11.88	60"	1 1/8"	2	
Bull Point	55*	2 lbs.	3.82	12"	7/8"		
		3 1/2 lbs.	4.60	15"	1"		
		9 lbs.	8.92	24"	1 1/4"		
Stripping Bar	451	5 lbs.	4.20	36"	3/4"	10	50 lbs.

ORDER BARS BY UNIT WEIGHT.

*ORDER BY STOCK SIZE AND LENGTH.

Designed for safety... Forged to last...

The head... best high carbon steel, craft forged and heat treated... The handle... highest grade hickory, power driven and machine wedged... combined to make the finest sledge available — a Warren-Teed.

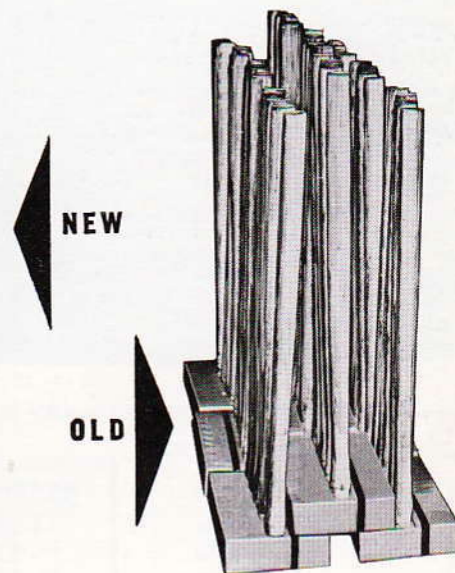
NEW "FLAT-PAK" FIVE *stacks more sledges in same area*



The Warren-Teed "Flat-Pak" Five makes warehousing and inventorying a cinch... lies flat—stacks 25 high in perfect safety.



70 eight-pound sledges can be stacked in the same floor space previously required to stock 45 sledges. All inventory information is out front, easy to see. Handles are fully protected. Cartons can be stacked 25 high in perfect safety.



Only **45** sledges in this area. Inventory is difficult, handles are unprotected — with definite height limitations.

WARREN TOOL CORPORATION • WARREN, OHIO